

K R ANDERSON CO INC  
2865 S ORANGE AVE  
SANTA ANA, CA 92707

DOW CORNING CORPORATION  
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 1200 PRIME COAT - R20  
EMERGENCY TELEPHONE NO. (317) 496-3500

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORPORATION  
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NAPHTHA SOLUTION  
D.O.T. HAZARD NAME(49CFR 172.101): NOT APPLICABLE  
D.O.T. ID NO(49CFR 172.101): UN 2553  
D.O.T. HAZARD CLASS(49CFR 172.101): FLAMMABLE LIQUID  
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): IGNITABLE (D001)  
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE  
NFPA - NATIONAL FIRE PROTECTION ASSOCIATION - 704  
HEALTH (NFPA): 2 FLAMMABILITY (NFPA): 3 REACTIVITY (NFPA): 0  
CAS NO: MIXTURE DOW CORNING WARNING CODE: NOT USED  
GENERIC DESCRIPTION: ORGANOSILICATE IN SOLVENT

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200  
(CARCINOGENS IDENTIFIED WITH AN ASTERISK \*)

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
064742898	NAPHTHA, PETROLEUM, LIGHT ALIPHATIC	35	OSHA PEL: TWA 500 PPM ACGIH TLV: TWA 300 PPM (VNMF NAPHTHA)
002157451	METHYL CELLOSOLVE ORTHOSILICATE	5	OBSERVE LIMITS FOR 2-METHOXYETHANOL FORMED ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL-SKIN: TWA 25 PPM. ACGIH TLV-SKIN: TWA 5 PPM.
000682019	TETRAPROPYLOTHO- SILICATE	5	OBSERVE LIMITS FOR N-PROPYL ALCOHOL FORMED ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 200 PPM. ACGIH TLV-SKIN: TWA 200 PPM. STEL 250 PPM.
PROPRIETARY INGREDIENT-		5	OBSERVE LIMITS FOR N-BUTYL ALCOHOL FORMED ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 100 PPM ACGIH TLV-SKIN: 50 PPM CEILING.

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**SECTION III - EFFECTS OF EXPOSURE (CONTINUED)**

**EYE: DIRECT CONTACT IRRITATES SLIGHTLY WITH REDNESS AND SWELLING.**

**SKIN: A SINGLE RELATIVELY SHORT EXPOSURE (LESS THAN 24 HOURS) IRRITATES.  
REPEATED PROLONGED CONTACT (24 TO 48 HOURS) IRRITATES SERIOUSLY, MAY BURN  
MILDLY.**

**INHALATION: SHORT VAPOR EXPOSURE MAY CAUSE DROWSINESS AND IRRITATE NOSE AND  
THROAT. DEGREE OF EFFECTS DEPENDS ON CONCENTRATION AND LENGTH OF EXPOSURE.**

**ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC.,  
SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY INJURE SLIGHTLY.**

**COMMENTS: 2-METHOXYETHANOL (METHYL CELLOSOLVE) MAY FORM UPON HYDROLYSIS.  
ANIMAL REPRODUCTIVE STUDIES HAVE SHOWN 2-METHOXYETHANOL IS ABLE TO CAUSE  
ANIMAL BIRTH DEFECTS AND REPRODUCTIVE PROBLEMS.  
THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS OR  
EXPOSURE TO THIS PRODUCT.**

**SECTION IV - EMERGENCY AND FIRST AID PROCEDURES**

**EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES.**

**SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION  
DEVELOPS.**

**INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST.**

**ORAL: GET IMMEDIATE MEDICAL ATTENTION IF LARGE AMOUNT SWALLOWED. DO NOT INDUCE  
VOMITING.**

**COMMENT: INHALING LIQUID WHILE VOMITING CAN INJURE LUNGS SERIOUSLY. IF  
VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO  
LUNGS.**

**SECTION V - FIRE AND EXPLOSION DATA**

**FLASH POINT (METHOD USED): CLOSED CUP 63F/17C**

**AUTOIGNITION: NOT DETERMINED**

**FLAMMABILITY LIMITS IN AIR : LOWER: 1% UPPER: 6%**

**EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER**

**SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS**

**UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL  
ALONG GROUND TO REMOTE IGNITION SOURCES.**

**COMMENTS: FLAMMABILITY LIMITS ARE APPROXIMATE.**

**SECTION VI - PHYSICAL DATA**

**BOILING POINT(2 760 MM HG): APPROX. 210F/99C**

**SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 0.76**

**MELTING POINT: NOT APPLICABLE**

**VAPOR PRESSURE (AT 77 DEG F/25 DEG C): APPROX. 25 MM**

**VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): APPROX. 3.3**

**PERCENT VOLATILE BY WEIGHT (%): APPROX. 95**

**EVAPORATION RATE (ETHER = 1): LESS THAN 1**

**SOLUBILITY IN WATER(%): LESS THAN 0.12**

**ODOR, APPEARANCE, COLOR: SOLVENT ODOR, LIQUID, RED**

**NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT  
SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS**

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SECTION VII - REACTIVITY DATA  
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STABILITY: STABLE

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.  
MOISTURE OR HUMID AIR.

CONDITIONS TO AVOID: EXPOSURE TO MOISTURE OR HUMID AIR UNTIL READY TO USE.

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES  
OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE.

COMMENTS: NONE

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SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: USE ABSORBENT  
MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL. REMOVE ALL  
SOURCES OF IGNITION AND WEAR PROPER PROTECTION EQUIPMENT.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION - SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED  
CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION  
IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL  
GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL  
REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED  
DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.3)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION  
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE  
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE  
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: PRODUCT IS AN OIL IN THE CONTEXT OF THE U.S. CLEAN WATER ACT. SPILLS  
TO U.S. SURFACE WATERS, OR TO WATERCOURSE OR SEWERS LEADING TO U.S. SURFACE  
WATERS, THAT CAUSE A VISIBLE SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE  
CENTER.

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SECTION IX - ROUTINE HANDLING PRECAUTIONS  
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PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN \*\*: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED  
CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS  
ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL  
GUIDELINES.

VENTILATION:

LOCAL EXHAUST: RECOMMENDED

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED  
TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

\* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED  
FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.  
COMMENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH  
ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

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**SECTION X - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CONTAINER CLOSED AND AWAY FROM MOISTURE, HEAT, SPARKS, AND OPEN FLAME.**

**OTHER PRECAUTIONS: STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT.  
COMMENTS: NONE**

**THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.**

**PREPARED BY: JACK L. SHENEBERGER  
LAST REVISION DATE: MARCH 2, 1988  
PREVIOUS REVISION DATE: JUNE 19, 1987  
DATE: MARCH 09, 1988**

**(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.**